

What size is a 24-circuit distribution box

Article Overview

A typical 24-circuit distribution box measures approximately 300 mm (length) x 245 mm (width) x 85 mm (height).

Standard Dimensions

For example, the Marshal MDB-24F 24-way distribution box has the following dimensions: 300 mm (L) x 245 mm (W) x 85 mm (H), with a metal body thickness of 1.0-1.2 mm and a fire-retardant ABS and transparent PC cover, rated IP40 for protection . Other modular 24-circuit boxes, such as the Schneider Electric KQ II A type load centre, are designed for 24 ways and are wall-mounted, though exact dimensions may vary slightly depending on the model and configuration .

Material and Mounting Considerations

- o Material: Typically metal or high-quality ABS with fire-retardant properties.
- o Mounting: Wall-mounted with provisions for cable entry at top and bottom.
- o Protection Rating: Commonly IP40, suitable for indoor installations.
- o Modular Options: Some systems allow stacking or combining modules (e.g., MDB-M24 with MDB-M48) to expand capacity while maintaining compact dimensions .

Practical Notes

When planning installation, allow extra space around the box for wiring, ventilation, and access to MCBs or patch panels. Modular designs may require additional clearance if multiple units are stacked or connected. These dimensions provide a reliable reference for most 24-circuit distribution boxes, but always verify with the specific manufacturer datasheet for precise installation requirements.

What is a Distribution Box? A distribution box, or DB box, is a circuit breaker enclosure. It is a vital part and central

Electrical enclosure sizes are not universal, but most manufacturers follow common size families. This guide explains

What are the overall dimensions of the HT-24 waterproof distribution box? 380 × 225 × 110 mm (L×W×H). How many circuits does



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